Substances That Could Be in Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bortled water that must provide the same protection for public health. Drinking water, including bortled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;

Inorganic Contaminants, such as salts and metals, that can be naturally occurring or can result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and which can also come from gas stations, urban stormwater runoff, agricultural applications, and septic systems;

Radioactive Contaminants, that can be naturally occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

PO Box 710

Sutter, CA 95982

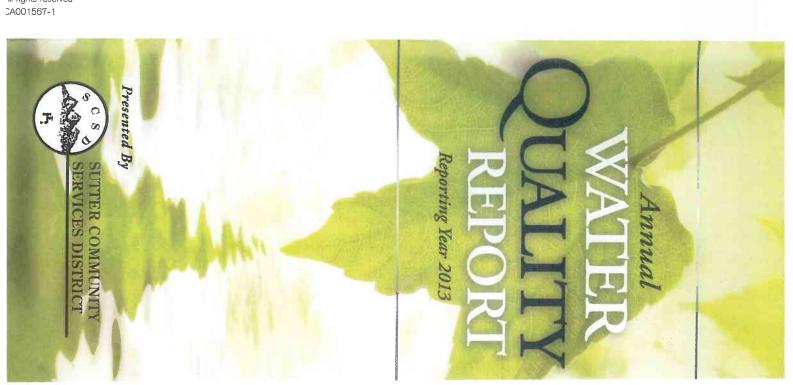
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Este informe contiene información muy mportante sobre su agua potable. Tradúzcalo o nable con alguien que lo entienda bien

Sutter Community Services District

nable con alguien que lo entienda bien.

3) Recycled and Recyclable
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Maintaining High Standards

water quality report covering all testing performed between January 1 and December 31, 2013. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best-quality drinking water to you. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users.

We encourage you to share your thoughts with us on the information contained in this report. Should you have any questions please call Geri Goetzinger, General Manager, or Chief Operator Steven Thompson at (530) 755-1733.

Where Does My Water Come From?

by groundwater. Groundwater is rain and snow that soaks through the ground and continues to move downward through pore (small openings) space in the soil until it reaches the aquifer under the city. The District operates three groundwater wells and a 750,000-gallon storage tank. We serve more than 1,055 homes, schools, and businesses. Future plans include adding another water storage tank.

Important Health Information

Some people may be more vulnerable to contaminants Sin drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or http://water.epa.gov/drink/hotline.

Lead in Home Plumbing

you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by We are responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children.

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.

Benefits of Chlorination

Disinfection, a chemical process used to control disease-causing microorganisms by killing or inactivating them, is unquestionably the most important step in drinking water treatment. By far, the most common method of disinfection in North America is chlorination.

Before communities began routinely treating drinking water with chlorine (starting with Chicago and Jersey City in 1908), cholera, typhoid fever, dysentery, and hepatitis A killed thousands of U.S. residents annually. Drinking water chlorination and filtration have helped to virtually eliminate these diseases in the U.S. Significant strides in public health are directly linked to the adoption of drinking water chlorination. In fact, the filtration of drinking water plus the use of chlorine is probably the most significant public health advancement in human history.

How chlorination works:

Potent Germicide Reduction in the level of many disease-causing microorganisms in drinking water to almost immeasurable levels.

Taste and Odor Reduction of many disagreeable tastes and odors like foul-smelling algae secretions, sulfides, and odors from decaying vegetation.

Biological Growth Elimination of slime bacteria, molds, and algae that commonly grow in water supply reservoirs, on the walls of water mains, and in storage tanks.

Chemical Removal of hydrogen sulfide (which has a rotten egg odor), ammonia, and other nitrogenous compounds that have unpleasant tastes and hinder disinfection. It also helps to remove iron and manganese from raw water.

Water Conservation - California Drought

alifornia remains in a desperate situation in regards to water for agriculture and water reserves for Public Health and Safety. Water is a critical part of California's way of life. Our economy, our environment and our day-to-day lifestyle need water to flourish. But our water supply is limited. We can help make the most of it using water wisely every day.

- Landscape watering should be done before 9:00 am and after 6:00 pm
- You can play a role in conserving water and saving yourself money in the process by becoming conscious of the amount of water your household is using and by looking for ways to use less whenever you can. It is not hard to conserve water. Here are a few tips:
- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak. Fix it and you save more than 30,000 gallons a year.

We have more tips at the District office.

Sampling Results

the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken. uring the past year we have taken hundreds of water samples in order to determine the presence of any radioactive, biological, inorganic, volatile organic or synthetic organic contaminants. The table below shows only those contaminants that were detected in the water. The state requires us to monitor for certain substances less than once per year because

10000000000000000000000000000000000000	AMOUN DETECT 100-1100-1100-111111110N		Well 1 MOUNT THECTED IX 7.6 7.6 198 198 198 10.24 0.24 0.24 ND ND ND ND ND ND ND ND ND N	PHG (MCL (MREDLG) 0.004 0.004 (0) (0) (0) 45 45 NA	MCL MRDLI 10 10 (as Cl2)] (as Cl2)] (as Cl2)] 15 45 45 15 47 1 positive monthly imple 1 positive monthly imple NAMOUNT RANGE 8.22 NA	14.0 A routine sample: roral coliform posis also fecal coliform posis also fecal coliform posis also fecal coliform posis also fecal coliform positive	YEAR SAMPLED 2011 2013 2008 2007 2013 2008 2008 5N	REGULATED SUBSTANCES SUBSTANCE (UNIT OF MEASURE) Arsenic¹ (ppb) Barium (ppb) Chlorine (ppm) Fecal coliform and E. coli [Total Coliform Rule] (# positive samples) Fluoride (ppm) Gross Alpha Particle Activity (pCi/L) Nitrate [as nitrate] (ppm) Total Coliform Bacteria [Total Coliform Rule] (# positive samples) Turbidity² (NTU) SECONDARY SUBSTANCES Chloride (ppm)
NA N	Rurryp	AMOUND DETECTION 100-100-100-100-100-100-100-100-100-100	Well 3	Well Well 3 Well 2-8 Well 2-8	Well 3 Well 2-8 Well 3-9 Well 3-9	Well 3 Well 2-8 NA NA NA	MCL PHG (MCL6) AMOUNT RANGE AM	Marious Mari

Although your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. EPA continues to research the health effects of

SUBSTANCE (UNIT OF MEASURE)
Hardness (ppm)

SAMPLED 2008

DETECTED 140

RANGE LOW-HIGH NA

AMOUNT DETECTED 180

RANGE LOW-HIGH NA

DETECTED

RANGE LOW-HIGH

TYPICAL SOURCE

175

NA? Erosion and leaching of natural deposits

AMOUNT

Community Participation

beginning at 6:30 pm at the District office, 1880 about your drinking water. The Board of Acacia Avenue. Directors meet the first Monday of each month Vou are invited to participate in our public I forum and voice your concerns or questions

Source Water Assessment

susceptibility to contamination by the identified sources of contamination within the delineated associated with any detected contaminants: most vulnerable to the following activities not potential sources. The sources are considered area and a determination of the water supply's water. It also includes an inventory of potential present, could migrate and reach our source listed sources through which contaminants, if assessment of the delineated area around our Thas been completed. This plan is an Source Water Assessment Plan (SWAP)

drainage, unauthorized dumping. Well 1 & Well 2-B: Septic systems, agricultural

fertilizer/petroleum transfer and storage. Well 3: Gas stations, septic systems, pesticides/

A copy of the complete assessment may be

California Department of Public Health

Valley District

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364 Knollcrest Drive Redding, CA 96002 Suite 101

Reese Crenshaw, (530) 224-4861

Sutter CSD

Sutter, CA 95982 1880 Acacia Avenue

Geri Goetzinger, (530) 755-1733



of water. The solutions to these problems may be in discolored water, sink or faucet stains, a buildup of your hands. particles, unusual odors or tastes, and a reduced flow I is affecting the quality of your drinking water are The most common signs that your faucet or sink

Kitchen sink and drain

contaminate the sink area and faucet, causing a rotten and black colored slime growth) can grow and and backed up water in which bacteria (i.e., pink sink. Clogged drains can lead to unclean sinks of raw means and vegetables can contaminate your regularly. Also, flush regularly with hot water. egg odor. Disinfect and clean the sink and drain area Hand washing, soap scum buildup, and the handling

Faucets, screens, and aerators

a regular basis. tip of faucets and can collect particles like sediment the faucet screen and aerator, which are located on the faucet. Clean and disinfect the aerators or screens on and minerals resulting in a decreased flow from the Chemicals and bacteria can splash and accumulate on

softening to reduce the calcium carbonate levels for quality product. White scaling or hard deposits on the hot water system. Clean these fixtures with vinegar or use water water or water with high levels of calcium carbonate. faucets and shower heads may be caused by hard this slime, replace the faucet's gasket with a higherbreak down and cause black, oily slime. If you find the hot water heater's dip tube. Faucet gaskets can faucet's screen as they could be pieces of plastic from Check with your plumber if you find particles in the

Water filtration/treatment devices

refrigerator filters!) replacement is important. (Remember to replace your can also become clogged over time so regular filter the filters or in the treatment system. The system A smell of rotten eggs can be a sign of bacteria on

- 3 Sampled in 2012
- Sampled in 2010.
- ⁵Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

Definitions

requirements that a water system must follow. contaminant which, if exceeded, triggers treatment or other AL (Regulatory Action Level): The concentration of a

amount of electrical conductivity of a solution. uS/cm (microsiemens per centimeter): A unit expressing the

to protect the odor, taste and appearance of drinking water. and technologically feasible. Secondary MCLs (SMCLs) are set contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically MCL (Maximum Contaminant Level): The highest level of a

contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. EPA. MCLG (Maximum Contaminant Level Goal): The level of a

necessary for control of microbial contaminants. There is convincing evidence that addition of a disinfectant is highest level of a disinfectant allowed in drinking water. MRDL (Maximum Residual Disinfectant Level): The

the benefits of the use of disinfectants to control microbial MRDLG (Maximum Residual Disinfectant Level Goal): contaminants. no known or expected risk to health. MRDLGs do not reflect The level of a drinking water disinfectant below which there is

NA: Not applicable

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NS: No standard

clarity, or turbidity, of water. Turbidity in excess of 5 NTU is NTU (Nephelometric Turbidity Units): Measurement of the just noticeable to the average person.

pCi/L (picocuries per liter): A measure of radioactivity.

monitoring and reporting requirements, and water treatment MRDLs for contaminants that affect health along with their PDWS (Primary Drinking Water Standard): MCLs and

drinking water below which there is no known or expected risk PHG (Public Health Goal): The level of a contaminant in to health. PHGs are set by the California EPA.

water (or micrograms per liter). ppb (parts per billion): One part substance per billion parts

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

reduce the level of a contaminant in drinking water. TT (Treatment Technique): A required process intended to